

**DC-10****SERVICE BULLETIN SUMMARY****NOTE:** This summary is for information only and is not FAA approved for modification of aircraft.**SUBJECT:** Install Warning Placard For  
Portable Oxygen Generators.

**ANALYSIS:** One operator has reported one incident of sudden cabin depressurization activating the portable oxygen generating units. The canisters of the oxygen generators become extremely hot while operating and could cause serious burns if contacted.

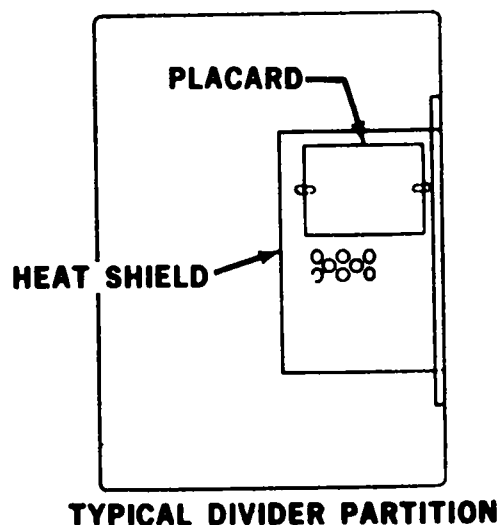
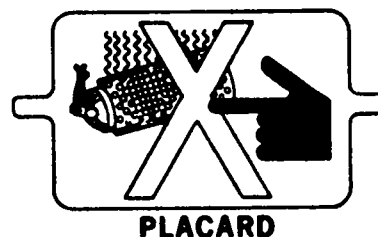
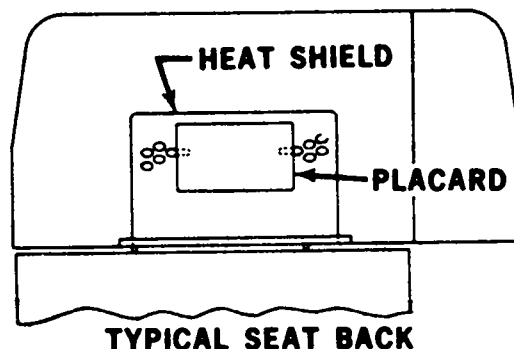
**CORRECTIVE ACTION:** Install pictorial warning placard on all portable oxygen heat shields located in the back of passenger seats and in cabin partitions.

**EFFECTIVITY:** Mfr's Fuselage No. 1 and 3 thru 166 as applicable to Series 10, 30, and 40.

**COMPLIANCE:** It is recommended this modification be incorporated within six months after receipt of placards.

**MANPOWER:** Approximately 0.2 man-hour or 0.2 elapsed hour per oxygen generator heat shield.

**MATERIAL INFORMATION:** Required placards furnished by DAC.





# DC-10

3855 Lakewood Boulevard  
Long Beach, California 90801

BULLETIN 35-12  
DC-10 SC 1849

## SERVICE BULLETIN

OXYGEN - Passenger - Install Oxygen Generator Heat Shield Pictorial Warning Placards.

### 1. Planning Information:

#### A. Effectivity:

#### (1) Aircraft Affected:

Model DC-10, Series 10, 30, and 40

#### (a) Operator and Aircraft Number:

<u>Operator</u>	<u>Factory Serial No.</u>	<u>*Mfr's Fuselage No.</u>	<u>Qty of Kits</u> <u>CZZ1849-501</u>
AA	46500 46502 thru 46525	1 3, 5, 7, 9, 12, 13, 20 thru 24, 30, 31, 37, 48, 49, 51, 52, 54 thru 56, 58, 65, and 72	25
AM	46936 and 46937	147 and 152	2
AZ	47861 thru 47866	75, 88, 94, 121, 135, and 149	6
CO	46900 thru 46904 47800 thru 47806	34, 40, 41, 43, and 44 92, 98, 101, 139, 142, 145, and 148	12
DL	47965 thru 47969	59, 64, 67, 74, and 80	5
IB	46925 thru 46927 47980	87, 99, and 100 150	4
KE	46934	160	1



<u>Operator</u>	<u>Factory Serial No.</u>	<u>*Mfr's Fuselage No.</u>	<u>Qty of Kits</u> <u>CZZ1849-501</u>
KL	46550 thru 46556 46933	46, 60, 71, 82, 84, 91, and 146 159	8
LH	47921 thru 47925	117, 122, 123, 129, and 166	5
LT	46727 46905 and 46906	83 47 and 50	3
MH	46891	127	1
NA	46700 thru 46703 46706 thru 46713 46942 and 46943	14, 16, 18, and 19 38, 61, 62, 68, 70, 105, 106, and 165 162 and 163	14
NW	46750 thru 46768	28, 36, 53, 66, 79, 97, 102, 108, 111, 113, 120, 124, 126, 128, 130, 143, 151, 161, and 164	19
OV	46825 and 46826	81 and 109	2
PK	46931 46940	137 141	2
QC	46932 47886	158 90	2
RG	46944 and 46945	133 and 156	2
RK	46890	77	1
SN	47906 and 47907	115 and 157	2
SR	46575 thru 46579	57, 73, 114, 131, and 132	5
TE	47846 thru 47848	69, 116, and 136	3
TK	46705 46907	33 78	2
TV	46800 thru 46802	96, 103, and 110	3

<u>Operator</u>	<u>Factory Serial No.</u>	<u>*Mfr's Fuselage No.</u>	<u>Qty of Kits</u> <u>CZZ1849-501</u>
UA	46600 thru 46624	4, 6, 8, 10, 11, 15, 17, 25 thru 27, 32, 35, 39, 42, 45, 76, 86, 89, 118, 119, 138, 140, 144, 154, and 155	25
UT	46850 thru 46853	63, 85, 93, and 134	4
WA	46908 46928 thru 46930 46938	95 104, 107, and 112 153	5

(b) Other Aircraft:

<u>Factory Serial No.</u>	<u>*Mfr's Fuselage No.</u>	<u>Qty of Kits</u> <u>CZZ1849-503</u>
47887	125	1

Affected aircraft other than those listed above will be modified prior to delivery or included in a subsequent revision to this Service Bulletin.

\*Manufacturer's fuselage numbers are applicable to affected aircraft at time of Service Bulletin issue and are for reference only.

(2) Spares Affected:

None.

B. Reason:

One operator has reported one incident of sudden cabin decompression activating the oxygen generating units. These canisters become extremely hot when operating and can cause burns if touched. Installing a pictorial placard clearly depicting the generated heat will reduce the possibility of accidental burns.

C. Description:CZZ1849-501 and -503 Kits

This modification installs a pictorial warning placard on the oxygen generator heat shield, located in the back of the passenger seats and cabin partitions.



D. Compliance:

It is recommended this modification be incorporated within six months after receipt of placards.

E. Approval:

This Service Bulletin is FAA approved.

F. Manpower:

CZZ1849-501 or -503 Kit

This modification may be accomplished in approximately 0.2 man-hour or 0.2 elapsed hour per oxygen generator heat shield.

For scheduling maintenance purposes, oxygen generator heat shields may be modified independently at different time periods.

NOTE: This Service Bulletin assumes that the aircraft/unit has been placed in a maintenance status. The man-hour/elapsed time estimates do not include:

1. Preparation for the modification: Examples; defueling, purging, placing work stands, opening standard access doors, obtaining tools, and jacking when jacking is not essential to the modification.
2. Nonproductive elapsed time: Examples; sealant or adhesive cure time, cleaning, paint drying time, lunch and/or rest periods, and quality assurance inspections.
3. Administrative functions: Examples; planning, engineering liaison, parts requisition, shift change coordination, and report writing.

Operators should take the above into consideration when scheduling this modification.

G. Material - Cost and Availability:

(1) Aircraft:

Operators with aircraft listed under paragraph 1.A.(1) should submit a "no charge" purchase order for service change kits in the quantities shown.

The purchase order must specify this Service Bulletin number and only parts listed herein.

Operators will be advised of delivery schedule upon receipt of purchase order. Direct purchase order to:

Douglas Aircraft Company  
P.O. Box 1771  
Long Beach, California 90801  
Attn: Manager, Warranty 7-21

A "no charge" purchase order for kits under the provisions of this bulletin must be received not later than 90 days after the issue date noted on page 1. Any purchase order received after the 90-day period will be processed on a charge basis.

(2) Spares:

Not applicable.

H. Tooling - Price and Availability:

None.

I. Weight and Balance:

CZZ1849-501 Kit

This modification will increase the weight of the aircraft at approximately station 1215.0, as follows:

(1) Mfr's Empty Weight (MEW) Increase	+1.7 LB
(2) Moment Change (MEW)	+2066 IN.-LB
(3) Index Unit Change (MEW)	0

CZZ1849-503 Kit

This modification will increase the weight of the aircraft at approximately station 1215.0, as follows:

(1) Mfr's Empty Weight (MEW) Increase	+2.6 LB
(2) Moment Change (MEW)	+3159 IN.-LB
(3) Index Unit Change (MEW)	0

J. References:

Data used in preparation of this Service Bulletin:

Data IdentificationType of Data

ABM7228  
MM Chapter 35  
NWM6022

Advance "F" E.O.  
Maintenance Manual  
Drawing

K. Publications Affected:

The modification outlined in this Service Bulletin affects the following DAC DC-10 aircraft publications.

PublicationChapter and/or Section

Illustrated Parts Catalog  
Maintenance Manual  
Weight and Balance Charts

35-00  
35-22



## 2. Accomplishment Instructions:

WARNING: TO AVOID INJURY TO PERSONNEL OR DAMAGE TO EQUIPMENT, MAKE CERTAIN ADEQUATE PRECAUTIONS ARE TAKEN WHILE PERFORMING ANY WORK IF ELECTRICAL POWER IS APPLIED TO THE AIRCRAFT.

CAUTION: ELECTRICALLY GROUND THE AIRCRAFT.

NOTE: Chapters within parentheses refer to sections of the Maintenance Manual.

This modification includes installation of placards on heat shields in all seat back oxygen compartments and includes those oxygen compartments that do not require the installation of oxygen generators.

Instructions are typical for each oxygen generator heat shield.

### CZZ1849-501 and -503 Kits

- A. Gain access to modification area by manually opening oxygen compartment door. (See Chapter 35-22-00.)
- B. Form ABM7228-517 placard to approximate contour of oxygen generator heat shield.
- C. Install placard on heat shield by inserting tabs through existing holes in shield and bend tabs back as shown on Figure 1.
- D. Close oxygen compartment door. (See Chapter 35-22-00.)





3. Material Information:A. The basis for the following material data is per aircraft.

Parts furnished in service change kits at no charge.

NOTE: Maximum quantities of parts furnished.  
Excess parts may be stocked as spares.

<u>New Part No.</u>	<u>Qty Per Kit</u>		<u>Key Word</u>
	<u>-501</u>	<u>-503</u>	
ABM7228-517	150	234	Placard

B. The basis for the following material data is per spares.

None.

SVJ  
JEM